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What is claimed is:

A compound of formula (I)

or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof, wherein

A is selected from the group consisting of carbonyl and a covalent bond;

D is selected from the group consisting of O and S;

L is selected from the group consisting of lower alkylene, fluoroalkylene, and hydroxyalkylene;

P and Q taken together form a covalent bond or are both hydrogen;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, hydroxyalkyl, alkenyl, and alkynyl; or

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle;

R₃ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyl, alkylsulfinyl, alkylsulfonyl, alkylthio, aryl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl, and (NR_AR_B)sulfonyl;

R₄, R₅, R₆ and R₇ are each independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfinyl, alkylsulfinyl, alkylsulfinyl, carboxy, carboxyalkyl, cyano, cyanoalkyl, cycloalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NR₄R₈, (NR₄R₈)alkyl, (NR₄R₈)carbonyl, (NR₄R₈)sulfonyl, -L₂R₂₀, and -R₂₀L₄R₂₂;

 L_2 is selected from the group consisting of alkylene, alkenylene, O, S, S(O), S(O)₂, C(=O), C=(NOR₂₁), and N(R_A);

 L_3 is selected from the group consisting of a covalent bond, alkylene, alkenylene, O, S, C(=O), N(=OR₂₁), and N(R_A);

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R₂₀ is selected from the group consisting of aryl, heterocycle, and cycloalkyl;

R₂₁ is selected from the group consisting of hydrogen and alkyl;

R₂₂ is selected from the group consisting of aryl, heterocycle, and cycloalkyl;

 R_A and R_B are each independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl and formyl;

provided that at least one of R_4 , R_5 , R_6 , or R_7 is aryl, heterocycle, cycloalkyl, - L_2R_{20} or - $R_{20}L_3R_{22}$.

2. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is L2R20;

 L_2 is C(=O); and

Ron is arvl.

3. A compound according to claim 1 wherein

A is a covalent bond:

D is O:

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl,

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(2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is L2R20;

L2 is C(=O); and

 R_{20} is aryl.

4. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-:

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen:

R6 is L2R20;

 L_2 is C(=O); and

 R_{20} is phenyl substituted with 0, 1, 2 or 3 substitutents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and-NR_AR_B.

 A compound according to claim 4 selected from the group consisting of (4-fluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5yl)methanone;

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 $(3-fluor ophenyl)(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzo furan-5-yl) methanone;$

(2-fluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(3-chlorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone:

 $\label{lem:conditional} $$(4-chlorophenyl)(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)methanone:$

(4-methoxyphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

 $(4-fluoro-3-methylphenyl)(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)methanone;$

 $\label{eq:continuous} (4-chloro-3-methylphenyl)(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)methanone;$

(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)[4-(methylthio)phenyl]methanone:

 $[4-(dimethylamino)phenyl] (2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzo furan-5-yl)methanone;$

(4-methylphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-

yl)methanone;

 $\label{lem:control} (3,5-diffuor ophenyl) (2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzo furan-5-yl) methanone:$

(2-methoxyphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

 $(3-methoxyphenyl)(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl) methanone; and$

(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)(phenyl)methanone.

6. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

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P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

 R_6 is L_2R_{20} ;

 L_2 is C(=O); and

R₂₀ is cycloalky1.

7. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together

(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

30 R₃, R₄, R₅ and R₇ are hydrogen;

R6 is L2R20;

L2 is C(=O); and

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R₂₀ is cycloalkyl.

8. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-:

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is L2R20;

L2 is C(=O); and

R₂₀ is cycloalkyl.

- 9. A compound according to claim 8 that is cyclopropyl($2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)methanone.$
- 10. A compound according to claim 1 wherein

A is a covalent bond;

D is O:

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

 R_6 is L_2R_{20} ;

 L_2 is selected from the group consisting of alkylene and alkenylene; and R_{20} is aryl.

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11. A compound according to claim 1 wherein

A is a covalent bond;

D is O:

L is -CH2CH2-;

5 P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is L2R20;

 L_2 is selected from the group consisting of alkylene and alkenylene; and R_{20} is aryl.

12. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-:

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R3, R4, R5 and R7 are hydrogen; and

R6 is L2R20;

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 L_2 is selected from the group consisting of alkylene and alkenylene; and R_{20} is phenyl substituted with 0, 1, 2, or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR $_A$ R $_B$)carbonyl, and -NR $_A$ R $_B$.

13. A compound according to claim 12 selected from the group consisting of $(2R)-1-(2-\{5-[\ 2-(4-fluorophenyl)vinyl]-1-benzofuran-2-yl\}ethyl)-2-methylpyrrolidine; and$

 $(2R)\hbox{-}1\hbox{-}[2\hbox{-}(5\hbox{-}benzyl\hbox{-}l\hbox{-}benzofuran-2\hbox{-}yl)ethyl]\hbox{-}2\hbox{-}methylpyrrolidine}.$

14. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen; and R₆ is alkylcarbonyl.

25 15. A compound according to claim 1 wherein

A is a covalent bond:

D is O;

L is -CH2CH2-:

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-

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hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-py

R₃, R₄, R₅ and R₇ are hydrogen; and R₆ is alkylcarbonyl.

16. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen; and R₆ is alkylcarbonyl.

- 17. A compound according to claim 16 that is 3-ethyl-1-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-1-pentanone.
- A compound according to claim 1 wherein
 A is a covalent bond;
 D is O;
- L is -CH₂CH₂-;P and Q taken together form a covalent bond;

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 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl:

 R_3 , R_4 , R_5 and R_7 are hydrogen; and R_6 is heterocycle.

19. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3- (dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3- hydroxy-1-pyrrolidinyl, (3S)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-fodimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-pyrrolidinyl, (2R)-2-fodimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-foxo-1-pyrrolidinyl, (2R

R₃, R₄, R₅ and R₇ are hydrogen; and R₆ is heterocycle.

30 20. A compound according to claim 1 wherein A is a covalent bond;

D is O;

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L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl, R_3 , R_4 , R_5 and R_7 are hydrogen;

R₃, R₄, R₅ and R₇ are hydrogen; and

 R_6 is heterocycle selected from the group consisting of furyl, imidazolyl, isothiazolyl, isothiazolyl, oxadiazolyl, oxazolyl, pyrazinyl, pyrazolyl, pyridinyl, pyrimidinyl, pyridazinyl, pyrrolyl, tetrazolyl, thiadiazolyl, thiazolyl, thienyl, triazinyl, triazolyl, benzimidazolyl, benzothiazolyl, benzothiazolyl, benzothiazolyl, benzothiazolyl, indolyl, indolizinyl, naphthyridinyl, isobenzothianyl, isobenzothianyl, isoindolyl, isoquinolinyl, quinolizinyl, quinoxalinyl, or quinazolinyl wherein the heterocycle is substituted with 0, 1, 2, or 3 substituents selected from alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, arylalkyl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, haloalkylcarbonyl, hydroxy, hydroxyalkyl, mercapto, nitro, oxo, -NRa R_B , (NRa R_B)aulfonyl.

 A compound according to claim 21 selected from the group consisting of 5-(chloromethyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

 $3-(2-\{2-[(2R)-2-methylpytrolidin-1-yl]ethyl\}-1-benzofuran-5-yl)-5-propyl-1,2,4-oxadiazole;$

 $\label{eq:continuous} 5-ethyl-3-(2-\{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-yl)-1,2,4-oxadiazole:$

 $\label{eq:continuous} 5-methyl-3-(2-\{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-yl)-1,2,4-oxadiazole;$

3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)pyridine; 1-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-1H-imidazole; and

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3,5-dimethyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
                                                                vl)isoxazole;
                                                                                  3,5-dimethyl-4-{2-[2-(2R)-methyl-pyrrolidin-1-vl-ethyl]-benzofuran-5-vl}-isoxazole;
                                                                                  5-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-2-phenyl-oxazole;
                                                                                 2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-thiazole;
            5
                                                                                 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-pyrazole;
                                                                                 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1-phenyl-1H-pyrazole;
                                                                                  1-methyl-4-{2-[(2R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-
                                              imidazole:
    10
                                                                                4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-thiazole;
                                                                                2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-imidazole;
                                                                                4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-benzoimidazole:
                                                                                3-methyl-6-{(2R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridazine;
                                                                                2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-pyrazine;
                                                                                5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyrimidine:
                                                                                5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridazin-4-ylamine;
                                                                              5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-nicotinonitrile;
                                                                              4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-indole;
                                                                              4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-phthalonitrile;
                                                                              5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-indan-1-one;
                                                                              1-\{2-[5-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl\}-(2R)-methyl-(2R)
                                           pyrrolidine:
                                                                              1-[2-(5-cyclohept-1-enyl-benzofuran-2-yl)-ethyl]-2R)-methyl-pyrrolidine;
                                                                             (2R)-methyl-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-\{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-1-(2-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclohepten-5-(a,d]cyclo
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                                          benzofuran2-yl}-ethyl)-pyrrolidine;
                                                                             4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridine;
                                                                             4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridine;
                                                                             1-\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl\}-1 \\H-imidazole-4,5-methylpyrrolidin-1-yl)-ethyll-benzofuran-5-yl\}-1 \\H-imidazole-4,5-methylpyrrolidin-1-yl)-ethyll-benzofuran-5-yl\}-1 \\H-imidazole-4,5-methylpyrrolidin-1-yl)-ethyll-benzofuran-5-yl\}-1 \\H-imidazole-4,5-methylpyrrolidin-1-yl)-ethyll-benzofuran-5-yl\}-1 \\H-imidazole-4,5-methylpyrrolidin-1-yl)-ethyll-benzofuran-5-yl]-1 \\H-imidazole-4,5-methyll-benzofuran-5-yl]-1 \\
                                          dicarbonitrile:
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                                                                           4,5-dichloro-1-\{2-\lceil 2-(2(R)-methylpyrrolidin-1-yl)-ethyl \rceil-benzofuran-5-yl\}-1H-1-yl-benzofuran-5-yl\}-1-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-benzofuran-5-yl-be
                                          imidazole:
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1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-benzoimidazole;

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 $\label{eq:continuous} 3-\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl\}-3H-imidazo[4,5-c]pyridine;$

(5-hydroxymethyl-3-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-3H-imidazol-4-vl}-methanol:

 $1-\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl\}-1H-pyrrole;\\$

 $3\text{-methyl-}1-\{2-[2-(2(R)\text{-methylpytrolidin-}1-yl)\text{-ethyl}]-benzo furan-}5-yl\}-1H-pytrole;\\ 1-\{2-[2-(2(R)\text{-methylpytrolidin-}1-yl)\text{-ethyl}]-benzo furan-}5-yl\}-3,4-bis-trifluoromethyl-1H-pytrole;$

1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole;

 $4-methyl-1-\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzo furan-5-yl\}-1H-pyrazole;\\$

1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole-4-carboxylic acid ethyl ester;

 $\label{lem:condition} \mbox{4-chloro-1-$\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1\mbox{H-pyrazole;} and$

 $3, 5-dimethyl-1-\{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl\}-1 H-pyrazole. \\$

22. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-:

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R3, R4, R5 and R7 are hydrogen; and

 R_6 is heterocycle selected from the group consisting of 1,2,4-oxadiazo1-3-y1, 3-pyridinyl, 4-isoxazolyl, and 1H-imidazo1-1-yl wherein the heterocycle is substituted with 0,

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 or 2 substituents selected from the group consisting of hydrogen, alkyl, haloalkyl, and hydroxyalkyl.

5 23. A compound according to claim 1 wherein

A is a covalent bond;

D is O:

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is heterocycle;

L₃ is selected from the group consisting of a covalent bond and alkylene; and R₂₂ is aryl.

24. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2s)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (2S)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, 2-methyl-1-pyrro

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(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyrrolidinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl:

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L2R22:

R₂₀ is heterocycle;

 L_3 is selected from the group consisting of a covalent bond and alkylene; and R_{22} is aryl.

25. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

 R_{22} is phenyl substituted with 0, 1, 2, or 3 substitutents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR $_AR_B$)carbonyl, and -NR $_AR_B$.

 A compound according to claim 25 selected from the group consisting of 4-[3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazol-5-yl]benzonitrile;

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5-(4-chlorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

5-(2-chlorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1.2.4-oxadiazole:

 $5-(4-fluor obenzyl)-3-(2-\{2-[(2R)-2-methyl pyrrolidin-1-yl]ethyl\}-1-benzofuran-5-yl)-1-benzofuran-5-yl-1-benzofuran-5-$ 1,2,4-oxadiazole:

 $5-(4-methoxybenzyl)-3-(2-\{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-(4-methoxybenzyl)-3-(2-\{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-(4-methoxybenzyl)-3-(4-methoxybenzyl)-3-(4-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-(4-methoxybenzyl)-3-(4-methoxybenzyl)-3-(4-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-(4-methoxybenzyl)-3-(4-methylpyrrolidin-1-yl]ethyl]-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl]ethyll-1-benzofuran-5-(4-methylpyrrolidin-1-yl)-1-benzofuran-5-(4-methylpyrrolidin-1-yl)-1-benzofuran-5-(4-methylpyrrolidin-1-yl)-1-benzofuran-5-(4-methylpyrrolidin-1-yl)-1-benzofuran-5-(4-methylpyrrolidin-1-yl$ yl)-1,2,4-oxadiazole;

3-{[3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4oxadiazol-5-yl]methyl}benzonitrile;

3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-5-phenyl-1.2.4oxadiazole:

 $5-(4-fluorophenyl)-3-(2-\{2-\lceil(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-benzofuran-5-yl)-1-benzofuran-5-yl$ 1,2,4-oxadiazole; and

 $5-(3-chloro-4-fluorophenyl)-3-(2-\{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-(2-(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-(2-(2R)-2-methylpyrrolidin-1-yl]ethyl\}-1-(2-(2R)-2-methylpyrrolidin-1-yl]ethyl]-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methylpyrrolidin-1-yl]ethyll-1-(2R)-2-methyll-1-yl]ethyll-1-(2R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-methyll-1-yl]ethyll-1-(R)-2-me$ benzofuran-5-yl)-1,2,4-oxadiazole.

27. A compound according to claim 1 wherein

A is a covalent bond:

D is O:

L is -CH2CH2-:

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22:

R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and R22 is heterocycle.

28. A compound according to claim 1 wherein

A is a covalent bond;

D is O:

5 L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, 2-methyl-1-piperidinyl, 2-methyl-1-pyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-azabiryolo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azabiryolo.5 fluoromethyl-1-pyrrolidinyl, (2R)-2-azabiryolo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azabiryolo.5 fluoromethyl-1-pyrrolidinyl, (2R)-2-azabiryolo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azabiryolo.5 fluoromethyl-1-pyrrolidinyl, (2R)-2-azabiryolo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azabiryolo[4.5]dec-8-yl:

R3, R4, R5 and R7 are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is 1,2,4-oxadiazol-3-yl;

 L_3 is selected from the group consisting of a covalent bond and alkylene; and R_{22} is heterocycle.

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29. A compound according to claim 1 wherein

A is a covalent bond:

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

 R_6 is $-R_{20}L_3R_{22}$;

R₂₀ is 1,2,4-oxadiazol-3-yl;

 ${\rm L}_3$ is selected from the group consisting of a covalent bond and alkylene; and

5 R₂₂ is 2-thienyl.

30. A compound according to claim 29 that is 3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-5-(thien-2-ylmethyl)-1,2,4-oxadiazole.

10 31. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

R20 is aryl;

 L_3 is C(=0); and

R22 is cycloalkyl.

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32. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-:

P and O taken together form a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

R3, R4, R5 and R7 are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

 L_3 is C(=O); and

R22 is cycloalkyl.

33. A compound according to claim 1 wherein

A is a covalent bond;

D is O:

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

25 R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

R₂₀ is phenyl;

 L_3 is C(=O); and

R22 is cycloalkyl.

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34. A compound according to claim 33 selected from the group consisting of

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 $\label{lem:cyclopropyl} $$ \cyclopropyl[3-(2-\{2-\{(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl] methanone; and $$$

 $\label{lem:cyclopropyl} $$ cyclopropyl[4-(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl] methanone.$

35. A compound according to claim 1 wherein

A is a covalent bond:

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R20 is aryl;

 L_3 is C(=O); and

R₂₂ is aryl.

36. A compound according to claim 1 wherein

A is a covalent bond:

D is O:

L is -CH2CH2-:

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (38)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-(dimet

hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

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dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R

5 (fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspirol4.5]dec-8-yl;

R3, R4, R5 and R7 are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R20 is aryl;

L₃ is C(=O); and

R₂₂ is aryl.

37. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

R₂₀ is phenyl;

 L_3 is C(=O); and

R₂₂ is phenyl substituted with 0, 1, 2, or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and-NR_AR_B.

38. A compound according to claim 37 that is (3-fluorophenyl)[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanone.

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39. A compound according to claim 1 wherein

A is a covalent bond:

D is O:

L is -CH2CH2-;

5 P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl:

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

R20 is aryl;

L₃ is C(=O); and

R₂₂ is heterocycle.

40. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-

pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-

(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-

2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R6 is -R20L3R22;

5 R₂₀ is aryl;

 L_3 is C(=0); and

R₂₂ is heterocycle.

41. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH2CH2-;

P and Q taken together form a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is phenyl;

L₃ is C(=O); and

R₂₂ is 2-thienyl.

- $\label{eq:42.42} A compound according to claim 41 that is [3-(2-\{2-[(2R)-2-methy]-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl](2-thienyl)methanone.$
- 25 43. A compound according to claim 1 of formula (II)

(II),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

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 R_7 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyl, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl;

 R_8 is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B) carbonyl;

 R_9 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CRx and N;

Y is selected from the group consisting of CH, CRy and N;

Z is selected from the group consisting of CH, CRz and N; and

 R_X , R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

- 44. A compound according to claim 43 wherein A is a covalent bond.
- 45. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

Rg is cyano.

46. A compound according to claim 43 wherein

A is a covalent bond;

L is -CH2CH2-;

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R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

5 X is CH;

Y is CH: and

Z is CH.

47. A compound according to claim 46 selected from the group consisting of:

4-{2-[2-(diethylamino)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[tert-butyl(methyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

 $4\hbox{-}(2\hbox{-}\{\hbox{2-}[isopropyl(methyl)amino}] ethyl\}\hbox{-}1\hbox{-}benzofuran-5\hbox{-}yl) benzonitrile;$

 $4\hbox{-}(2\hbox{-}\{2\hbox{-}[isobutyl(methyl)amino]ethyl}\}\hbox{-}1\hbox{-}benzo furan-5\hbox{-}yl) benzo nitrile;$

4-(2-{2-[ethyl(isopropyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[ethyl(propyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile; and

4-[2-(2-aminoethyl)-1-benzofuran-5-yl]benzonitrile.

48. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is cyano;

X is N;

Y is CH; and

25 Z is CH.

49. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl.

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50. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyrridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

51. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

 R_8 is heterocyclecarbonyl wherein the heterocycle is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

52. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-morpholinyl.

25 53. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl:

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

 R_{δ} is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-morpholinyl;

X is CH:

Y is CH; and

Z is CH.

5 54. A compound according to claim 53 selected from the group consisting of:

 $N, N-diethyl-N-(2-\{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl\}ethyl) amine; \\$

 $\label{eq:N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl} while it is a constant. When the property of the prop$

 $\label{lem:normalizer} N-is opropyl-N-methyl-N-(2-\{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzo furan-2-yl\}ethyl) amine;$

 $\label{lem:normalized} N-is obutyl-N-methyl-N-(2-\{5-[4-(4-morpholiny | carbonyl)phenyl]-l-benzo furan-2-yl\} ethyl) amine;$

 $N-ethyl-N-isopropyl-N-(2-\{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl\}ethyl) amine; \\$

 $N. N-dimethyl-N-(2-\{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl\}ethyl) amine; and \\$

 $N-ethyl-N-(2-\{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl\}ethyl)-N-propylamine. \\$

55. A compound according to claim 43 wherein

A is a covalent bond:

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

25 R₈ is heterocyclecarbonyl;

X is N:

Y is CH; and

Z is CH

30 56. A compound according to claim 43 wherein A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.;

X is N;

Y is CH; and

Z is CH.

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57. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl;

X is N:

Y is CH: and

Z is CH.

A compound according to claim 43 wherein 58.

A is a covalent bond:

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4morpholinyl;

X is N;

30 Y is CH: and

Z is CH.

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59. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

 R_{θ} is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4morpholinyl;

X is N;

Y is CH; and

Z is CH.

60. A compound according to claim 59 selected from the group consisting of:

4-[(6-{2-[2-(N,N-diethyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

 $N-(tert-butyl)-N-methyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinylcarbonyl)-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinylcarbonyl)-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinylcarbonyl)-1-nethyl-N-(2-[5-(4-morpholinylcarbonyl)-2-pyridinylcarbony$

benzofuran-2-yl}ethyl)amine;

 $\label{lem:N-isobutyl-N-methyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofur an 2-yl} ethyl) amine;$

N-isopropyl-N-methyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-

benzofuran-2-yl}ethyl)amine;

 $N-ethyl-N-isopropyl-N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl\}ethyl) amine;$

N,N-dimethyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)amine;

N-allyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)amine;

3-[(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)amino]-1-propanol; and

 $N-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl\}\ ethyl)-N-propylamine.$

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61. A compound according to claim 43 wherein

A is a covalent bond: and

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together 5 form a heterocycle.

A compound according to claim 43 wherein 62.

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl; and

Re is cvano.

63. A compound according to claim 43 wherein

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-vl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

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64. A compound according to claim 43 wherein

L is alkyl;

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

 R_3 , R_4 , R_5 , and R_7 are independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, and halogen;

 R_8 and R_9 are independently selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

X is selected from the group consisting of CH and CRx;

Y is selected from the group consisting of CH and CRy;

Z is selected from the group consisting of CH and CRz; and

 R_X , R_Y , and R_Z are independently selected from the group consisting of alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl.

65. A compound according to claim 43 wherein

L is alkyl:

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3- (dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3- hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-

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(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

 R_3 , R_4 , R_5 , and R_7 are independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, and halogen;

 R_8 and R_9 are independently selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

X is selected from the group consisting of CH and CRx;

Y is selected from the group consisting of CH and CRy;

Z is selected from the group consisting of CH and CRz; and

 R_X , R_Y , and R_Z are independently selected from the group consisting of alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl.

66. A compound according to claim 65 selected from the group consisting of:

4-{2-[2-(1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-{2-[2-(2-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

 $4\hbox{-}(2\hbox{-}\{2\hbox{-}[(3R)\hbox{-}3\hbox{-}hydroxypyrrolidinyl]\hbox{-}1\hbox{-}benzo furan-5\hbox{-}yl)} benzonitrile;$

4-{2-[2-(1H-imidazol-1-yl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[(3S)-3-(dimethylamino)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2S)-2-(hydroxymethyl)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(cis)-2,6-dimethylpiperidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-{2-[2-(1-azepanyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[2-pyrrolidine methyl carboxylate]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-{2-[2-(3,6-dihydro-1(2H)-pyridinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[(2R)-2-(hydroxymethyl)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(3R)-(dimethylamino)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

 $4\hbox{-}(2\hbox{-}\{2\hbox{-}[1\hbox{-}(2S)\hbox{-}2\hbox{-methylpyrrolidinyl}]\hbox{ethyl}\}\hbox{-}1\hbox{-}benzo furan-5\hbox{-}yl)benzo nitrile;}$

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4-(2-{2-[1-(2-methylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile; 4-(3-bromo-2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5yl)benzonitrile: 2-methyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5vl)benzonitrile: 3-methyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5yl)benzonitrile; 4-(6-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5vl)benzonitrile: 4-(4-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5vDbenzonitrile: 4-(7-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5yl)benzonitrile; 4-(7-fluoro-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5yl)benzonitrile; 2-fluoro-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyllethyl}-1-benzofuran-5yl)benzonitrile; 3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-vl)benzonitrile: (2R)-1-{2-[5-(4-fluorophenyl)-1-benzofuran-2-vllethyl}-2-methylpyrrolidine: (2R)-1-{2-[5-(3,4-dichlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; (2R)-2-methyl-1-{2-[5-(2-methylphenyl)-1-benzofuran-2-vllethyl}pyrrolidine: (2R)-2-methyl-1-{2-[5-(3-methylphenyl)-1-benzofuran-2-yl]ethyl} pyrrolidine; (2R)-2-methyl-1-{2-[5-(4-methylphenyl)-1-benzofuran-2-yl]ethyl}pyrrolidine; 4-{2-[2-(2-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-benzoic acid methyl ester: (2R)-1-{2-[5-(2-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; (2R)-1-{2-[5-(3-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; (2R)-1-{2-[5-(4-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; (2R)-1-{2-[5-(3-fluorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; (2R)-1-{2-[5-(2-chlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;

(2R)-1-{2-[5-(3-chlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine; 1-{2-[5-(4-chlorophenyl)-benzofuran-2-yl]-ethyl}-2-methylpyrrolidine;

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(2R)-2-methyl-1-(2-{5-[3-(trifluoromethyl)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

(2R)-2-methyl-1-(2-{5-[4-(trifluoromethyl)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

(2R)-2-methyl-1-(2-{5-[3-(trifluoromethoxy)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

 $(2R)-2-methyl-1-(2-\{5-[4-(trifluoromethoxy)phenyl]-1-benzofuran-2-yl\}ethyl) pyrrolidine;$

(2R)-1-{2-[5-(3,4-dimethylphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
(2R)-1-{2-[5-(3,5-dichlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
(2R)-1-{2-[5-(3,5-dimethylphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
[4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanol;
1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone;
1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanol;
2-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]-2-propanol;

 $1-[3-(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl]ethanone oxime: \\$

 $1-[3-(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl]ethanone O-methyloxime; \\$

 $1-[3-(2-\{2-[(2R)-2-methyl-1-pytrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl]ethanone O-ethyloxime; \\$

 $1-[3-(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl]ethanone O-(tert-butyl)oxime;\\$

ethyl 3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzoate;
3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzoic acid;
N-methoxy-N-methyl-3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-

yl)benzamide; 1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]-1-propanone;

 $3-methyl-1-[3-(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)phenyl]-1-butanone;$

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3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzaldehyde; [3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanol; 4-(3-bromo-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-2-methylbenzonitrile;
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 $\label{lem:condition} \mbox{4-(3-chloro-$2-{2-[(2R)-$2-methyl-$1-pyrrolidinyl]ethyl}-$1-benzofuran-$5-vl) benzonitrile: }$

 $\label{lem:control} 4-(3,6-dichloro-2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl) benzonitrile;$

4-(3-iodo-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

 $\label{lem:condition} \mbox{4-(2-\{2-[(2R)-2-methyl-5-oxo-1-pyrrolidinyl]ethyl\}-1-benzo furan-5-yl)} benzonitrile;$

4-(3-acetyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-

yl)benzonitrile;

4-(2-{2-[(2R)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

 $4\hbox{-}(2\hbox{-}\{2\hbox{-}[(2S)\hbox{-}2\hbox{-}(fluoromethyl)\hbox{-}1\hbox{-}pyrrolidinyl]\ ethyl}\}\hbox{-}1\hbox{-}benzo furan-5\hbox{-}yl) benzo nitrile;$

 $\label{lem:continuous} \mbox{4-}(2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzothien-5-yl)} benzonitrile;$

3-(2-{3-[(2R)-2-methyl-1-pyrrolidinyl]propyl}-1-benzofuran-5-yl)benzonitrile;

 $3-(2-\{[(2R)-2-methyl-1-pyrrolidinyl]methyl\}-1-benzo furan-5-yl) benzonitrile; and\\$

 $3-(2-\{4-[(2R)-2-methyl-1-pyrrolidinyl]butyl\}-1-benzo furan-5-yl) benzo nitrile;\\$

67. A compound according to claim 43 wherein

A is a covalent bond;

L is -CH₂CH₂-;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle substituted with 0, 1 or 2 substituents selected from alkyl;

R₃, R₄, R₅, R₇, and R₉ are hydrogen;

R₈ is cyano;

X is CH:

Y is CH: and

Z is CH.

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 A compound according to claim 67 selected from the group consisting of 4-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile:

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4-(2-{2-[2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2S)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2R)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile:

4-(2-{2-[2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2R,5R)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2S,5S)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-vl)benzonitrile;

4-(2-{2-[(trans)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile; and

3-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile.

- A compound according to claim 67 that is 4-(2-{2-[(2R)-2-methyl-1pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile.
 - 70. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃ is heterocycle;

R4, R5, R7 and R9 are hydrogen;

R₈ is cyano:

X is CH:

Y is CH; and

Z is CH.

71. A compound according to claim 43 wherein

L is -CH2CH2-:

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

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(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-vl:

R₃ is heterocycle;

R4, R5, R7 and R9 are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

72. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃ is a heterocycle selected from the group consisting of 2-furyl, 3-pyridinyl, and 2-thienyl wherein the heterocycle is substituted with 0, 1, or 2 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

R4, R5, R7 and R9 are hydrogen;

R₈ is cvano:

30 X is CH:

Y is CH; and

Z is CH.

- A compound according to claim 72 selected from the group consisting of 4-(3-(2-furyl)-2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)benzonitrile;
- 4-[2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-3-(3-pyridinyl)-1-benzofuran-5-yl]benzonitrile;

 $\label{lem:continuous} 4-[2-\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-3-(3-thienyl)-1-benzofuran-5-yl] benzonitrile; and$

 $\label{lem:control} \mbox{4-(3-(2-formyl-3-thienyl)-2-$\{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl\}-1-benzofuran-5-yl)} benzonitrile.$

74. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle;

R₈ is cyano;

X is N;

Y is CH; and

Z is CH.

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75. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₈ is cyano;

X is N:

30 Y is CH; and

Z is CH.

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76. A compound according to claim 43 wherein

A is a covalent bond;

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-vl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-yl;

R₈ is cyano;

X is N;

Y is CH; and

Z is CH.

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77. A compound according to claim 43 wherein

A is a covalent bond:

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

25 Rs is heterocyclecarbonyl.

> 78 A compound according to claim 43 wherein

> > A is a covalent bond:

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

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2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

79. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

80. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R)-2-5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-

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2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

81. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3- (dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3- hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyrrolidinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

82. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

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2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl.

83. A compound according to claim 43 wherein

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, (2R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrr

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl.

84. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

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R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4morpholinyl;

X is CH:

Y is CH; and

5 Z is CH.

> A compound according to claim 43 wherein 85.

> > L is -CH2CH2-:

A is a covalent bond:

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4morpholinyl:

X is CH:

Y is CH: and

Z is CH.

30 A compound according to claim 85 selected from the group consisting of: 86. 4-(4-{2-[2-(2-methyl-1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine; 4-(4-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

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4-(4-{2-[2-(2-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;
(3R)-1-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl}ethyl)-3pyrrolidinol;

 $4-[4-(2-\{2-[(2R,5R)-2,5-dimethyl pyrrolidinyl]ethyl\}-1-benzo furan-5-dimethyl pyrrolidinyl]ethyl -1-benzo furan-5-dimethyl -1-benzo furan-5-dimet$

5 yl)benzoyl]morpholine;

4-[4-(2-{2-[(cis)-2,6-dimethylpiperidinyl]ethyl}-1-benzofuran-5-yl)benzoyl]morpholine:

4-(4-{2-[2-(azepinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

4-(4-{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

4-(4-{2-[2-(4-morpholine)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

 $\hbox{$4$-(4-\{2-[2-(3,6-dihydro-1(2H)-pyridinyl)ethyl]-1-benzofuran-5-$}$

yl}benzoyl)morpholine; and

 $4-(4-\{2-[2-(2S)-pyrrolidinylmethanol)ethyl]-1-benzofuran-5-yl\} benzoyl) morpholine.\\$

87. A compound according to claim 43 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle:

R₈ is heterocyclecarbonyl;

X is N:

Y is CH; and

Z is CH.

88. A compound according to claim 43 wherein

L is -CH2CH2-:

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1.1-dioxidothiomorpholinyl:

X is N;

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Y is CH: and

Z is CH.

89. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl;

X is N;

Y is CH: and

Z is CH.

25 90. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

30 (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl,

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2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethvl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-vl:

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3pvridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.;

X is N;

Y is CH; and

Z is CH.

91. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4morpholinyl;

X is N:

Y is CH: and

Z is CH.

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92. A compound according to claim 43 wherein L is -CH2CH2-:

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A is a covalent bond;

 $R_1 \ and \ R_2 \ taken together \ with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrol$

 R_{δ} is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is N;

Y is CH; and

Z is CH.

93. A compound according to claim 43 wherein

L is -CH2CH2-;

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

 R_{8} is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is N;

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Y is CH; and Z is CH.

94. A compound according to claim 43 wherein

L is $-CH_2CH_2-$;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3S)-3- (dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R)-2-5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

 R_{δ} is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is N;

Y is CH; and

Z is CH.

 A compound according to claim 94 selected from the group consisting of: 4-[(6-{2-[2-(1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}-3pyridinyl)earbonyl]moroholine:

 $\label{lem:continuous} 4-\{[6-(2-\{2-[(2R)-methylpyrrolidinyl]ethyl\}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl\}morpholine;$

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4-[(6-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

 $(3R)-1-(2-\{5-[5-(4-morpholinylcarbonyl]-2-pyridinyl]-1-benzofuran-2-yl\}ethyl)-3-pyrrolidinol;$

 $\label{eq:conditional} 4-\{[6-(2-\{2-[(2R,5R)-2,5-dimethylpyrrolidinyl]ethyl\}-1-benzofuran-5-yl)-3-pyridinyl\}carbonyl\}morpholine;$

 $\label{lem:condition} $4-\{[6-(2-\{2-[(cis)-2,6-dimethylpiperidinyl]ethyl\}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl\}morpholine;$

4-{[6-(2-{2-[1-azepanyl]ethyl}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl}morpholine;

 $\label{eq:continuous} \mbox{4-[(6-\{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl\}-3-piperidinyl)} \mbox{--} \mbox{---} \mbox{----} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{----} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{---} \mbox{----} \mbox{-----} \mbox{----} \mbox{----} \mbox{----} \mbox{----} \mbox{-----}$

pyridinyl)carbonyl]morpholine;

 $4\hbox{-}[(6\hbox{-}\{2\hbox{-}[2\hbox{-}(4\hbox{-}morpholinyl)\hbox{ethyl}]\hbox{-}1\hbox{-}benzofuran-}5\hbox{-}yl\}\hbox{-}3\hbox{-}$

pyridinyl)carbonyl]morpholine;

 $8-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl\}ethyl)-1, \\ 4-dioxa-8-azaspiro[4.5] \\ decane;$

 $\label{lem:continuous} 5-(2-\{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl\}ethyl)-2-oxa-5-azabicyclo[2.2.1]heptane; and$

 $\label{eq:continuous} (2S)-1-(2-\{5-[5-(4-morpholinylcarbonyl]-2-pyridinyl]-1-benzofuran-2-yl\}ethyl)-2-pyrrolidinol.$

96. A compound according to claim 43 wherein

A is carbonyl;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

97. A compound according to claim 43 wherein

A is carbonyl:

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl,

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morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

98. A compound according to claim 43 wherein

A is carbonyl;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

 R_8 is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

99. A compound according to claim 43 wherein

A is carbonyl;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

100. A compound according to claim 43 wherein

A is carbonyl;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

101. A compound according to claim 43 wherein

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A is carbonyl:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl; and

R₈ is selected from the group consisting of evano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1Hpyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1dioxidothiomorpholin-4-vl.

A compound according to claim 43 wherein 102.

A is carbonvl:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1.4-dioxa-8azaspiro[4.5]dec-8-yl; and

R₈ is selected from the group consisting of evano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl. 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1Hpyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1dioxidothiomorpholin-4-vl.

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103. A compound according to claim 1 of formula (III)

(111),

or a pharmaceautical acceptable salt, ester, amide, or prodrug thereof, wherein

 R_6 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl:

 R_8 is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B) carbonyl;

 R_{9} is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_x and N;

Y is selected from the group consisting of CH, CRy and N;

Z is selected from the group consisting of CH, CRz and N; and

 R_X , R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl.

- 104. A compound according to claim 103 wherein A is a covalent bond.
- 105. A compound according to claim 103 wherein

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A is a covalent bond;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

106. A compound according to claim 103 wherein

A is a covalent bond:

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

 R_{δ} is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidinyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyriolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

107. A compound according to claim 103 wherein

A is a covalent bond;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

 R_8 is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

25 108. A compound according to claim 103 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

 $R_{\mbox{\scriptsize 8}}$ is selected from the group consisting of cyano and heterocyclecarbonyl.

109. A compound according to claim 103 wherein

A is a covalent bond;

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 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

 R_{δ} is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

110. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

 R_8 is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-vl.

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- 111. A compound according to claim 110 that is 4-(2-{2-[(2R)-2-methyl-T-pyrrolidinyl]ethyl}-1-benzofuran-6-yl)benzonitrile.
- 112. A compound according to claim 103 wherein A is carbonyl.

113. A compound according to claim 103 wherein

A is carbonyl;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is cyano.

114. A compound according to claim 103 wherein

L is -CH2CH2-;

A is carbonyl;

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃ is methyl;

R4, R5, R6 and R9 are hydrogen;

R₈ is cyano;

X is CH:

Y is CH: and

Z is CH

- 115. A compound according to claim 114 that is 4-{3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2H-chromen-7-yl} benzonitrile.
- 116. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl.

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117. A compound according to claim 103 wherein

A is carbonyl:

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

Rs is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3pyridinyl, 1-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1.1-dioxidothiomorpholin-4-yl.

A compound according to claim 103 wherein 118.

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

Re is cvano.

A compound according to claim 103 wherein

A is carbonyl:

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2.5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl; and

Re is cyano.

A compound according to claim 103 wherein 25 120.

A is carbonyl:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

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dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-

(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2,2,1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

10 121. A compound according to claim 103 wherein

L is -CH2CH2-:

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl;

R₃ is methyl;

R4, R5, R6 and R9 are hydrogen;

R₈ is cvano;

X is CH:

Y is CH; and

Z is CH.

25 122. A compound according to claim 103 wherein

L is -CH2CH2-;

A is carbonyl:

R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl,

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2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azapiro[4.5]dec-8-vl;

R₃ is methyl;

R₄, R₅, R₆ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

123.

4-{4-methyl-2-oxo-3-[2-(1-pyrrolidinyl)ethyl]-2H-chromen-7-yl}benzonitrile;
4-{4-methyl-2-oxo-3-[2-(1-piperidinyl)ethyl]-2H-chromen-7-yl}benzonitrile;
4-{4-methyl-2-oxo-3-[2-(2S)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6yl}benzonitrile; and

A compound according to claim 122 selected from the group consisting of

 $4-\{4-\text{methyl-2-oxo-3-}[2-(2R)-\text{methyl-1-pyrrolidinyl ethyl}]-2H-\text{chromen-6-yl}\$ benzonitrile.

124. A compound according to claim 103 wherein

A is carbonyl;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

Rs is heterocyclecarbonyl.

30 125. A compound according to claim 103 wherein A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

 R_8 is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

126. A compound according to claim 103 wherein

A is carbonyl;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, (2r)-2-yrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2S)-2-methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl, (

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidinyl, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-vl.

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127. A compound according to claim 1 of formula (IV)

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

 R_7 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl;

R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

 R_9 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl;

X is selected from the group consisting of CH, CRX and N;

Y is selected from the group consisting of CH, CRY and N;

Z is selected from the group consisting of CH, CRz and N; and

 $R_{\rm X}, R_{\rm Y}$ and $R_{\rm Z}$ are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

128. A compound according to claim 127 wherein A is a covalent bond.

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129. A compound according to claim 127 wherein

A is a covalent bond:

R₁ and R₂ are each independently selected from the group consisting of hydrogen. alkyl, hydroxyalkyl, alkenyl and alkynyl; and

Re is cvano.

130. A compound according to claim 127 wherein

L is -CH2CH2-;

A is a covalent bond:

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH:

Y is CH; and

Z is CH.

- 131. A compound according to claim 130 that is 4-(2-{2-[(2R)-2methylpyrrolidinyl]ethyl}-2,3-dihydro-1-benzofuran-5-yl)benzonitrile.
- 132. A compound according to claim 1 of formula (V)

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R₆ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NRARB, (NRARB)alkyl, (NRARB)carbonyl and (NRARR)sulfonvl;

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 R_8 is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

 R_9 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyl, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CRy and N;

Z is selected from the group consisting of CH, CRz and N; and

 $R_{\rm X},R_{\rm Y}$ and $R_{\rm Z}$ are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

- 133. A compound according to claim 132 wherein A is a covalent bond.
- 134. A compound according to claim 132 wherein

A is a covalent bond:

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

Rs is cvano.

25 135. A compound according to claim 132 wherein

L is -CH2CH2-;

A is a covalent bond:

 R_1 and R_2 are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₆ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

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Y is CH; and Z is CH.

A compound according to claim 1 of formula (VI) 136.

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R₅, R₆, and R₇ are independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NRARB, (NRARB)alkyl, (NRARB)carbonyl and (NR_AR_B)sulfonyl;

Rs is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cvano, cvcloalkylcarbonyl, heterocyclecarbonyl and (NRARB)carbonyl;

Ro is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NRARB, (NRARB)alkyl, (NRARB)carbonyl and (NRARB)sulfonyl;

X is selected from the group consisting of CH, CR_x and N;

Y is selected from the group consisting of CH, CRy and N;

Z is selected from the group consisting of CH, CR2 and N; and

Rx, Ry and Rz are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

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137. A compound according to claim 136 wherein A is a covalent bond.

138. A compound according to claim 136 wherein

A is a covalent bond; and

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle.

139. A compound according to claim 136 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is cyano.

140. A compound according to claim 136 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3- (dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3- hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, 2-methyl-1-pyrrolidinyl, (cis)-2,5- dimethylpyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, (2R)-2-ethyl-1-pyr

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Rs is cyano.

A compound according to claim 136 wherein 141.

L is -CH2CH2-:

A is a covalent bond; 5

> R1 and R2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2.5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl;

R₃, R₅, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH:

Y is CH; and

Z is CH.

A compound according to claim 136 wherein 142.

L is -CH2CH2-;

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1.4-dioxa-8azaspiro[4.5]dec-8-yl;

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R₃, R₅, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

5 Z is CH.

- 143. A compound according to claim 142 that is 4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-4-yl)benzonitrile.
- 144. A compound according to claim 1 of formula (VII)

(VII),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

 R_4 , R_6 , and R_7 are independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR $_A$ R $_B$, (NR $_A$ R $_B$)alkyl, (NR $_A$ R $_B$)carbonyl and (NR $_A$ R $_B$)sulfonyl;

 $R_8 \ is \ selected \ from \ the \ group \ consisting \ of \ hydrogen, \ alkylcarbonyl, \ arylcarbonyl, \ cyano, \ cycloalkylcarbonyl, \ heterocyclecarbonyl \ and \ (NR_AR_B) carbonyl;$

 R_9 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyl, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl:

X is selected from the group consisting of CH, CR_X and N; Y is selected from the group consisting of CH, CR_Y and N;

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Z is selected from the group consisting of CH, CRz and N; and

 R_X , R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, $-NR_AR_B$, (NR_AR_B) alkyl, (NR_AR_B) carbonyl and (NR_AR_B) sulfonyl.

- 145. A compound according to claim 144 wherein A is a covalent bond.
- 146. A compound according to claim 144 wherein

A is a covalent bond; and

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle.

147. A compound according to claim 144 wherein

A is a covalent bond;

 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is cyano.

148. A compound according to claim 144 wherein

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3- (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, 1-piperidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 1-pyrrolidinyl, 1-pyrr

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(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

149. A compound according to claim 144 wherein

L is -CH2CH2-:

A is a covalent bond:

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidinyl, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1dioxidothiomorpholinyl;

R₃, R₄, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

150. A compound according to claim 144 wherein

L is -CH2CH2-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dee-8-yl;

R₃, R₄, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH:

Y is CH; and

Z is CH.

151. A compound according to claim 1 wherein

one substituent of R4, R5, R6 and R7 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, aryl, carboxy, carboxyalkyl, cyano, cyanoalkyl, cycloalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NRARB, (NRARB)alkyl, (NRARB)carbonyl, (NRARB)sulfonyl, -L2R20, and -R20L3R22; and the other substituents of R4, R5, R6 and R7 are each independently selected from the group consisting of hydrogen and alkyl.

152. A compound according to claim 151 wherein

 R_4 , R_5 , R_6 and R_7 are each independently selected from the group consisting of hydrogen, alkyl, heterocycle, $-L_2R_{20}$, and $-R_{20}L_3R_{22}$.

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- 153. A compound according to claim 151 selected from the group consisting of 3,5-dimethyl-4-{2-[2-(2R)-methyl-pytrolidin-1-yl)-ethyl]-benzofuran-4-yl}-isoxazole:
 - $5-\{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzo furan-4-yl\}-2-phenyl-oxazole;\\$
 - 2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-thiazole;
 - 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-pyrazole;
 - $4-\{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl\}-1-phenyl-1H-pyrazole;\\$

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1-methyl-4-{2-[(2R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-
        imidazole;
               4-{2-[2-(2R)-methyl-pyrrolidin-l-yl)-ethyll-benzofuran-4-yl}-thiazole;
               2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyll-benzofuran-4-yl}-1H-imidazole:
 5
               4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-benzoimidazole;
               3-methyl-6-{(2R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridazine;
               2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyrazine;
               5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyrimidine:
               5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridazin-4-ylamine;
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               5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-nicotinonitrile;
               4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-indole;
               4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-phthalonitrile:
               5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyll-benzofuran-4-yl}-indan-1-one:
               1-{2-[4-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-(2R)-methyl-
        pyrrolidine:
               1-[2-(4-cyclohept-1-enyl-benzofuran-2-vl)-ethyl]-(2R)-methyl-pyrrolidine:
               (2R)-methyl-1-(2-{4-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-
        benzofuran-2-yl}-ethyl)-pyrrolidine;
               4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridine;
               3,5-dimethyl-4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-
        isoxazole:
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-vl)-ethyl]-benzofuran-6-vl}-2-phenyl-oxazole:
               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-thiazole;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-pyrazole;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1-phenyl-1H-pyrazole;
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               1-methyl-4-{2-[2(R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-
        imidazole:
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-thiazole;
               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-imidazole:
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               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-benzoimidazole:
               3-methyl-6-{2(R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyll-benzofuran-6-yl}-pyridazine;
               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyll-benzofuran-6-yl}-pyrazine:
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5-{2-[2-(2(R)-methyl-pyrrolidin-1-vl)-ethyll-benzofuran-6-vl}-pyrimidine:
               5-{2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyridazin-4-ylamine;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-nicotinonitrile;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-indole;
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               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-phthalonitrile;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-vl)-ethyl]-benzofuran-6-vl}-indan-1-one;
               1-{2-[6-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-2(R)-methyl-
       pyrrolidine;
               1-[2-(6-cyclohept-1-enyl-benzofuran-2-vl)-ethyl]-2(R)-methyl-pyrrolidine:
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               2(R)-methyl-1-(2-{6-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-
       benzofuran-2-vl}-ethyl)-pyrrolidine:
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyridine;
               3,5-dimethyl-4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-vl}-
        isoxazole:
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-2-phenyl-oxazole;
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               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-thiazole;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-pyrazole;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1-phenyl-1H-pyrazole;
               1-methyl-4-{2-[2(R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-
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        imidazole:
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-thiazole;
               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-imidazole;
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-benzoimidazole;
               3-methyl-6-{2(R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridazine;
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               2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyrazine;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyrimidine;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridazin-4-ylamine;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-nicotinonitrile:
               4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-indole;
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               4-{2-[2-(2(R)-methyl-pyrrolidin-1-vl)-ethyl]-benzofuran-7-vl}-phthalonitrile;
               5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-indan-1-one;
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1-{2-[7-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-2(R)-methylpyrrolidine; 1-[2-(7-cyclohept-1-envl-benzofuran-2-yl)-ethyl]-2(R)-methyl-pyrrolidine; 2(R)-methyl-1-(2-{7-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]benzofuran-2-vl}-ethvl)-pyrrolidine; and 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridine. A compound according to claim I selected from the group consisting of 154. (3-fluorophenyl)[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5yl)phenyl]methanone; (2R)-2-methyl-1-[2-(5-phenoxy-1-benzofuran-2-yl)ethyl]pyrrolidine; (2R)-1-(2-{5-[(3-fluorophenyl)thio]-1-benzofuran-2-yl}ethyl)-2-methylpyrrolidine; 4-(4-{2-[2-(2S)-methyl-1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine; 4-{4-methyl-2-oxo-3-[2-(2S)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6vl}benzonitrile: 4-{4-methyl-2-oxo-3-[2-(2R)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6yl}benzonitrile; 4-{[6-(2-{2-[(2S)-methylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)-3pyridinyl]carbonyl}morpholine: 4-(2-{2-[(2R)-2-methylpyrrolidinyllethyl}-2,3-dihydro-1-benzofuran-5yl)benzonitrile; 4-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-4-yl)benzonitrile; 4-{2-[2-(2(S)-methyl-pyrrolidin-1-yl)-ethyll-benzofuran-6-yl}-benzonitrile: 3-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile; (4-methoxy-phenyl)-methyl-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-

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yl}-amine; benzo[1,3]dioxol-5-yl-methyl-{2-[2-(2-methyl-pyrrolidin-1-yl)-ethyl}-benzofuran-5yl}-amine;

cyclohexyl-methyl-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-

30 amine; and

 $\label{eq:continuous} \ensuremath{\text{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-(tetrahydro-pyran-4-yl)-amine.}$

- 155. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 in combination with a pharmaceutically acceptable carrier.
- 5 156. A method of selectively modulating the effects of histamine-3 receptors in a mammal comprising administering an effective amount of a compound of claim 1.
 - 157. A method of treating a disorder wherein the disorder is ameliorated by modulating the histamine-3 receptors in a mammal comprising administering an effective amount of a compound of claim 1.
 - 158. The method according to claim 157 wherein the disorder is selected from the group consisting of acute myocardial infarction, asthma, bipolar disorder, cognitive enhancement, cognitive deficits in psychiatric disorders, cutaneous carcinoma, drug abuse, depression, gastrointestinal disorders, inflammation, jet lag, medullary thyroid carcinoma, melanoma, allergic rhinitis, Meniere's disease, migraine, mood and attention alteration, motion sickness, neurogenic inflammation, obsessive compulsive disorder, pain, Parkinson's disease, schizophrenia, seizures, septic shock, Tourette's syndrome, vertigo, and wakefulness.
 - 159. The method according to claim 157 wherein the disorder is Alzheimer's disease.
 - 160. The method according to claim 157 wherein the disorder is attention-deficit hyperactivity disorder.
- 25 161. The method according to claim 157 wherein the disorder is epilepsy.
 - 162. The method according to claim 157 wherein the disorder is narcolepsy.
 - 163. The method according to claim 157 wherein the disorder is obesity.
 - 164. The method of claim 157 wherein the disorder is selected from the group consisting of mild cognitive impairment, deficits of memory, deficits of learning and dementia.